

National Aeronautics and  
Space Administration

**Lyndon B. Johnson Space Center**  
2101 NASA Parkway  
Houston, Texas 77058-3696



Reply to Attn of:

EA2-06-043

TO: Distribution

FROM: Alpha Magnetic Spectrometer (AMS) Project Manager

SUBJECT: Acceptance Data Package (ADP) Requirements

As part of the delivery of your AMS Components, NASA requires that the hardware be delivered with a Certificate of Compliance Letter and the following backup data.

Acceptance Data Package requirements from the AMS Collaborators:

- a. Description of product defining all functions and current approved design specification.
- b. List of all waivers and deviations from design specifications for qualification and flight hardware.
- c. List of unexplained anomalies for qualification and flight hardware and status
- d. Product historical log/notes/comments
- e. As-built drawings
- f. Age sensitive or limited life items (if applicable)
- g. Pressure Vessel Data, including pressure cycle data
- h. Non-flight hardware temporary installation (e.g. caps for shipping which are removed before flight, etc.)
- i. Material Safety Data Sheets
- j. Engineering Model Files (e.g., assembly level drawings and assembly level computer models)
- k. Software Model Files / Firmware Version Description files for all systems that communicate directly with NASA supplied equipment
- l. Special instructions to maintain safety and functionality of the equipment during storage, ground handling, ground operations, maintenance and disposal
- m. Certification and references to supporting records including:
  - a. Qualification test procedures
  - b. Certification Analysis
  - c. Vendor supplied data sheets
  - d. Justifications for variances from vendor specifications and any records of approval

- e. Certification inspection procedures for all design requirements and acceptance requirements
- f. Log of all hardware with corresponding references to certification records for all devices with stored energy (i.e. pressure vessels, capacitors, batteries)
- g. Log of hazardous chemical and materials with corresponding references to certification records

Please plan to provide this information approximately 30 days prior to hardware delivery to CERN. Thank you.



Trent Martin

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